

Message

---

**From:** Lisa Rector [lrector@nescaum.org]  
**Sent:** 2/10/2020 1:38:37 PM  
**To:** Toney, Mike [Toney.Mike@epa.gov]; Johnson, Steffan [johnson.steffan@epa.gov]  
**Subject:** RE: test method question

Mike, here's another fan question for you. Why do they run fan confirmation tests on M28 but not ASTM 3053?

---

**From:** Toney, Mike <Toney.Mike@epa.gov>  
**Sent:** Friday, February 7, 2020 9:24 AM  
**To:** Lisa Rector <lrector@nescaum.org>; Johnson, Steffan <johnson.steffan@epa.gov>  
**Subject:** RE: test method question

Lisa,

I guess I should have asked what type of fan are you talking about, an induced fan or a convection fan that blows air around the sheating of a wood heater. I was referring to the later.

---

**From:** Lisa Rector <lrector@nescaum.org>  
**Sent:** Friday, February 07, 2020 9:19 AM  
**To:** Toney, Mike <Toney.Mike@epa.gov>; Johnson, Steffan <johnson.steffan@epa.gov>  
**Subject:** RE: test method question

Mike, can you help me understand why fan on is worst case for low burns? Wouldn't it provide extra air-flow/circulation for low burns? Anybody have data on this topic to confirm? I am seeing notes in low burns like turn fan on when x% of fuel consumed.

---

**From:** Toney, Mike <Toney.Mike@epa.gov>  
**Sent:** Friday, February 7, 2020 9:16 AM  
**To:** Johnson, Steffan <johnson.steffan@epa.gov>; Lisa Rector <lrector@nescaum.org>  
**Subject:** RE: test method question

Hi All,

If a fan is available it must be tested with the fan in the on position. Because the fan could possibly lower the fire box temperature. Fan on is worst case.

---

**From:** Johnson, Steffan <johnson.steffan@epa.gov>  
**Sent:** Friday, February 07, 2020 9:03 AM  
**To:** Lisa Rector <lrector@nescaum.org>  
**Cc:** Toney, Mike <Toney.Mike@epa.gov>  
**Subject:** Re: test method question

Lisa,

Easy! The way the rule reads, the low test MUST be the LOWEST heat output configuration that the unit is capable of producing. SO....whatever that is, fan on or off...(I'm guessing off?).

The manufacturer and lab also have to document that it is the lowest output.

Stef

Stef Johnson | Leader | Measurement Technology Group | Office of Air Quality Planning & Standards | U.S. Environmental Protection Agency | 109 T.W. Alexander Drive | E-143-02 | Research Triangle Park, NC 27711 | Desk: 919.541.4790 | Cell: 919.698.5096 | Fax: 919.541.0516

---

**From:** Lisa Rector <[lrector@nescaum.org](mailto:lrector@nescaum.org)>  
**Sent:** Thursday, February 6, 2020 6:44 PM  
**To:** Johnson, Steffan <[johnson.steffan@epa.gov](mailto:johnson.steffan@epa.gov)>  
**Subject:** test method question

Hi Stef, time for test method trivia Friday!!!! If a stove has an option to use a fan (not required or standard installation), for the low test, should the unit test with or without the fan?

Lisa



**Lisa Rector**, Policy and Program Director at **NESCAUM**

89 South Street, Suite 602, Boston, Massachusetts, 02111 | 802.899.5306 | 617.259.2095 | Fax: 617.742.9162  
| [lrector@nescaum.org](mailto:lrector@nescaum.org)